

In the Claims

1. - 4. (Cancelled)

5. A decorative substantially flat construction assembly easily cleaned so as to be suitable for use in hygienic environments, comprising:

one or more layers of substantially transparent material with a smooth surface; and

a wire mesh ~~mounted~~ bonded within said one or more layers of substantially transparent material, said wire mesh comprising a first plurality of wires and a second plurality of wires, said first plurality of wires being interwoven or knitted with said second plurality of wires, said wire mesh having a total surface area, said wire mesh defining openings therein that permit light through said wire mesh whereby a percentage of said openings with respect to said total surface area of said wire mesh ~~is in~~ permits light in a range from zero ~~or substantially zero~~ to eighty-five percent to pass therethrough, said wire mesh and said transparent material comprising a first side and a second said, said first side being more reflective of said light than said second side.

6. The decorative construction assembly of claim 5, further comprising:

said first plurality of wires interconnecting with said second plurality of wires at a plurality of intersections in at least one weave pattern, each of said plurality of intersections comprising individual wires extending therefrom whereby said individual wires engage each other but are not twisted around each other so as to loop completely around each other one or more times.

7. The decorative construction assembly of claim 5, further comprising a transparent adhesive for securing said wire mesh within at least one first layer of substantially transparent material and at least one second layer of substantially transparent material, said first side of said wire mesh being more reflective than said second side of said wire mesh.

8. The decorative construction assembly of claim 5, wherein said ~~wire mesh~~ has a lustrous surface at least one of said first plurality of wires or said second plurality of wires comprises a triangular cross-section, thereby producing an effect on reflected or transmitted light.

9. The decorative construction assembly of claim 5, wherein said first plurality of wires comprise a round cross-section and second plurality of wires have a cross-section with at least one planar side, thereby producing an effect on reflected or transmitted light.

10. The decorative construction assembly of claim 5, wherein said first plurality of wires comprise a first cross-section and or said second plurality of wires have a non-round comprise a second cross-section such that said second cross-section is not the same as said first cross-section, thereby producing an effect on reflected or transmitted light.

11. The decorative construction assembly of claim 5, wherein said construction assembly forms a portion of a building wall, said construction assembly being configured as a window panel so as to be replaceable with a window panel.

12. The decorative construction material of claim 5, wherein said construction assembly being configured for connection to furniture components and forms a portion of an article of furniture.

13. The decorative construction assembly of claim 5, wherein said wire mesh is woven with a twilled weave or variation thereof comprising knuckles that are substantially flat to reduce diffusion of reflected light.

14. The decorative construction assembly of claim 5, wherein said wire mesh is woven

in a Dutch weave or variation thereof comprising knuckles that are substantially flat to reduce diffusion of reflected light.

15. The decorative construction assembly of claim 5, wherein said wire mesh is woven in a heddle weave or variation thereof comprising knuckles that are substantially flat to reduce diffusion of reflected light.

16. The decorative construction assembly of claim 5, wherein said percentage of said openings with respect to said total surface area of said wire mesh is in a range of from zero or substantially zero to seventy percent, a weave of said first plurality of wires and said second plurality of wires comprising knuckles at each of a plurality of intersection, said weave being selected to produce a selected number of knuckles per square area and with a selected height of said knuckles to produce a selected amount of diffusion of reflected light.

17. The decorative construction assembly of claim 5, wherein said percentage of said openings with respect to said total surface area of said wire mesh is in a range of from zero or substantially zero to fifty percent.

18. The decorative construction assembly of claim 5, wherein said percentage of said openings with respect to said total surface area of said wire mesh is in a range of from zero or substantially zero to forty percent.

19. The decorative construction assembly of claim 5, wherein said percentage of said openings with respect to said total surface area of said wire mesh is in a range of from zero or substantially zero to twenty-five percent.

20. The decorative construction assembly of claim 5, wherein said percentage of said

openings with respect to said total surface area of said wire mesh is in a range of from zero or substantially zero to ten percent.

21. The decorative construction assembly of claim 5, wherein said one or more substantially transparent layers are comprised of a non-glass material and said wire mesh are substantially flexible such that said decorative substantially flat construction assembly is bendable up to a permanent deformation or breaking point by a predetermined amount.

22. The decorative construction assembly of claim 5, wherein said wire mesh is welded together.

23. The decorative construction assembly of claim 5, wherein said wire mesh is not welded together, at least one of said first plurality of wires or said second plurality of wires further comprising a non-round cross-section which is further twisted by a selected number of twists.

24. - 41. (Cancelled)

42. (New) A decorative substantially flat construction assembly easily cleaned so as to be suitable for use in hygienic environments, comprising:

one or more layers of substantially transparent material with a smooth surface; and  
a wire mesh bonded within said one or more layers of substantially transparent material,  
said wire mesh comprising a first plurality of wires and a second plurality of wires, said first  
plurality of wires being interwoven or knitted with said second plurality of wires, said wire mesh  
having a total surface area, said wire mesh defining openings therein that permit light through  
said wire mesh whereby a percentage of said openings with respect to said total surface area of  
said wire mesh permits light in a range from zero or substantially zero to eighty-five percent to  
pass therethrough, said first plurality of wires or said second plurality of wires further comprising

a non-round cross-section which is twisted by a selected number of twists such that said twists of said non-round cross-section produce visual effects.

43. (New) A decorative substantially flat construction assembly easily cleaned so as to be suitable for use in hygienic environments, comprising:

one or more layers of substantially transparent material with a smooth surface; and  
a wire mesh bonded within said one or more layers of substantially transparent material,  
said wire mesh comprising a first plurality of wires and a second plurality of wires, said first  
plurality of wires being interwoven or knitted with said second plurality of wires, said wire mesh  
having a total surface area, said wire mesh defining openings therein that permit light through  
said wire mesh whereby a percentage of said openings with respect to said total surface area of  
said wire mesh permits light in a range from zero or substantially zero to eighty-five percent to  
pass therethrough, at least one of said first plurality of wires or said second plurality of wires  
comprises triangular wires with a triangular cross-section to thereby reflect light which  
encounters said triangular wires.

44. (New) A decorative substantially flat construction assembly easily cleaned so as to be suitable for use in hygienic environments, comprising:

one or more layers of substantially transparent material with a smooth surface; and  
a wire mesh mounted within said one or more layers of substantially transparent material,  
said wire mesh comprising a first plurality of wires and a second plurality of wires, said first  
plurality of wires being interwoven or knitted with said second plurality of wires, said wire mesh  
having a total surface area, said wire mesh defining openings therein that permit light through  
said wire mesh whereby a percentage of said openings with respect to said total surface area of  
said wire mesh permits light in a range from zero or substantially zero to eighty-five percent to  
pass therethrough, said first plurality of wires comprise a first cross-section and said second  
plurality of wires comprise a second cross-section such that said second cross-section is not the

same as said first cross-section, thereby producing an effect on reflected or transmitted light.

45. (New) The decorative substantially flat construction assembly of claim 44, wherein said first plurality of wires comprise a cross-section with at least one planar surface and said plurality of wires comprise a round cross-section.

46. (New) A decorative substantially flat construction assembly easily cleaned so as to be suitable for use in hygienic environments, comprising:

one or more layers of substantially transparent material with a smooth surface; and  
a wire mesh mounted within said one or more layers of substantially transparent material,  
said wire mesh comprising a first plurality of wires and a second plurality of wires, said first plurality of wires being interwoven or knitted with said second plurality of wires, said wire mesh having a total surface area, said wire mesh defining openings therein that permit light through said wire mesh whereby a percentage of said openings with respect to said total surface area of said wire mesh permits light in a range from zero or substantially zero to eighty-five percent to pass therethrough, said wire mesh comprising knuckles that are substantially flat to reduce diffusion of reflected light.

47. (New) A decorative substantially flat construction assembly easily cleaned so as to be suitable for use in hygienic environments, comprising:

one or more layers of substantially transparent material with a smooth surface; and  
a wire mesh mounted within said one or more layers of substantially transparent material,  
said wire mesh comprising a first plurality of wires and a second plurality of wires, said first plurality of wires being interwoven or knitted with said second plurality of wires, said wire mesh having a total surface area, said wire mesh defining openings therein that permit light through said wire mesh whereby a percentage of said openings with respect to said total surface area of said wire mesh permits light in a range from zero or substantially zero to eighty-five percent to

pass therethrough, said wire mesh and said transparent material comprising a first side and a second said, said first side being more reflective of light than said second side, said transparent material on said second side being less transparent than said transparent material on said first side.